	Application No.	Applicant(s)
A	09/764,799	WATANABE, TAKASHI
Notice of Allowability	Examiner	Art Unit
	Heather R. Long	2615
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to the amendment filed on 3/14/2005.		
2.  The allowed claim(s) is/are <u>1-16</u> .		
3.  The drawings filed on 19 January 2001 and 14 March 2005 are accepted by the Examiner.		
4.		
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 98), 7. ☐ Examiner's Amendr	te

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## **DETAILED ACTION**

## Allowable Subject Matter

1. Claims 1-16 are allowed.

2. The following is an examiner's statement of reasons for allowance: Prior art fails to teach or fairly suggest a solid imaging device, in combination with all the other elements claimed, that after the reset gate resets a potential of the charge detection node, the transfer gate transistor is turned ON so as to allow the signal charge to be transferred from the photoelectric conversion section to the charge detection node, and thereafter a potential of the drain is changed from a HIGH state to a LOW state to a HIGH state while both of the transfer gate transistor and the reset gate transistor are maintained in an ON state (claims 1 and 9).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

- 3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
  - a. Fossum (U.S. Patent 6,667,768) discloses a solid imaging device wherein the photodiode is reset using the flood and fill technique. However, Fossum fails to disclose the photodiode being reset from the drain of the reset transistor while

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the potential of the drain is being changed from a HIGH state to a LOW state to a

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HIGH state while both of the transfer gate transistor and the reset gate transistor

are maintained in an ON state.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Heather R. Long whose telephone number is 571-272-

7368. The examiner can normally be reached on Mon. - Thurs.: 7:00 am - 4:30 pm, and

every other Fri.: 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Ometz can be reached on 571-272-7593. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Heather R Long Examiner

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HRL June 9, 2005

> TOAVID L. OMETZ PRIMARY FXAMINFR